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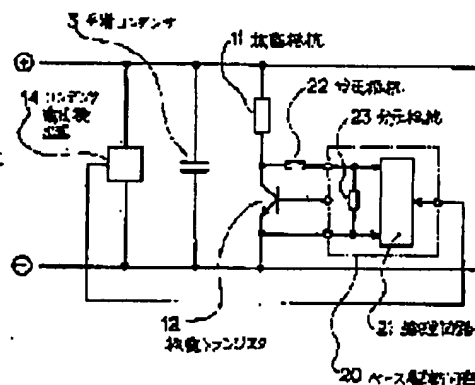
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## (54) OVERVOLTAGE INHIBITION CIRCUIT OF CAPACITOR

(57)Abstract:

PROBLEM TO BE SOLVED: To easily detect the failure in the charge circuit of a capacitor without using any expensive DC voltage detectors or DC current transformers.

SOLUTION: In a conventional circuit where the series circuit of a discharge resistor 11 and a discharge transistor 13 is connected in parallel with a smoothing capacitor 3, and a capacitor voltage detector 14 gives an ON command to a base drive circuit 20 when a first setting voltage is exceeded and gives an OFF command to it when a second setting voltage cannot be exceeded, the presence or absence of the voltage between the collector and emitter of the discharge transistor 12 is detected by a voltage-dividing resistor 23, and the presence or absence of the voltage and the ON/OFF commands are given to a logic circuit 21. A logic circuit 21 judges to be abnormal and abnormal when the voltage of the voltage-dividing resistor 23 exists or is equal to zero, respectively, when the ON command is issued, and judges to be normal and abnormal when the voltage of the voltage-dividing resistor 23 exists and is equal to zero, respectively, when the OFF command is issued.



## LEGAL STATUS

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